

Ag. Waste Application and Excavated Ponds  
Jackson County, South Dakota,  
Northern Part

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ab: Absted-----	85	Very limited Restricted permeability Sodium content Salinity	1.00 1.00 0.01	Very limited Deep to water	1.00
Ar: Arvada-----	85	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
As: Arvada-----	50	Very limited Restricted permeability Sodium content Salinity Runoff limitation	1.00 1.00 0.50 0.40	Very limited Deep to water	1.00
Slickspots, Dry-----	30	Not rated		Not rated	
Ba: Badland-----	85	Not rated		Not rated	
BcB: Beckton-----	85	Very limited Restricted permeability Salinity Sodium content Runoff limitation	1.00 0.50 0.50 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BdA: Beckton-----	45	Very limited Restricted permeability Salinity Sodium content Runoff limitation	1.00  0.50 0.50 0.40	Very limited Deep to water	1.00
Arvada-----	35	Very limited Restricted permeability Sodium content Runoff limitation	1.00  1.00 0.40	Very limited Deep to water	1.00
BwC: Blackpipe-----	50	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30  0.17	Very limited Deep to water	1.00
Wortman-----	30	Very limited Restricted permeability Sodium content Droughty Salinity Depth to bedrock	1.00  1.00 0.54 0.50 0.42	Very limited Deep to water	1.00
CaA: Cactusflat-----	85	Very limited Restricted permeability Sodium content Salinity	1.00  1.00 0.01	Very limited Deep to water	1.00
CbB: Cactusflat-----	40	Very limited Restricted permeability Sodium content Salinity	1.00  1.00 0.01	Very limited Deep to water	1.00
Weta-----	40	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00  1.00 0.40 0.01	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
CeA: Cedarpass-----	85	Very limited Sodium content Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
CfA: Cedarpass-----	50	Very limited Sodium content Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Denby-----	30	Very limited Restricted permeability Sodium content	1.00 1.00	Very limited Deep to water	1.00
CoD: Colby-----	85	Somewhat limited Slope	0.37	Very limited Deep to water	1.00
Cv: Craft-----	45	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
Bankard Variant-----	35	Very limited Filtering capacity Flooding Leaching limitation Droughty	1.00 0.60 0.45 0.41	Very limited Deep to water	1.00
DA: Denied Access-----	100	Not rated		Not rated	
EaB: Emigrant-----	80	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.24	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
EbA: Emigrant-----	50	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.24	Very limited Deep to water	1.00
Beckton Variant-----	30	Very limited Restricted permeability Sodium content Salinity Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
EbC: Emigrant-----	50	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.24	Very limited Deep to water	1.00
Beckton Variant-----	30	Very limited Restricted permeability Sodium content Salinity Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
EcD: Emigrant-----	50	Somewhat limited Slope Depth to bedrock Restricted permeability Droughty	0.63 0.42 0.30 0.24	Very limited Deep to water	1.00
Conata-----	30	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 1.00 0.40 0.37	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
ErB: Emigrant-----	45	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.24	Very limited Deep to water	1.00
Razor-----	35	Very limited Restricted permeability Depth to bedrock Droughty	1.00 0.42 0.37	Very limited Deep to water	1.00
ErC: Emigrant-----	45	Somewhat limited Depth to bedrock Restricted permeability Droughty	0.42 0.30 0.24	Very limited Deep to water	1.00
Razor-----	35	Very limited Restricted permeability Depth to bedrock Droughty	1.00 0.42 0.37	Very limited Deep to water	1.00
ErD: Emigrant-----	45	Somewhat limited Slope Depth to bedrock Restricted permeability Droughty	0.63 0.42 0.30 0.24	Very limited Deep to water	1.00
Razor-----	35	Very limited Restricted permeability Slope Depth to bedrock Droughty	1.00 0.63 0.42 0.37	Very limited Deep to water	1.00
Fv: Fluvents, Flooded---	85	Very limited Restricted permeability Ponding Depth to saturated zone Flooding Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Cutbanks cave Slow refill	1.00 0.57

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ha: Haverson-----	85	Not limited		Very limited Deep to water	1.00
Hc: Haverson-----	45	Not limited		Very limited Deep to water	1.00
Craft-----	35	Somewhat limited Sodium content	0.08	Very limited Deep to water	1.00
Ho: Hilmoe-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
HpC: Hisle-----	85	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
HrC: Hisle-----	50	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	30	Not rated		Not rated	
HsC: Hisle-----	55	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Slickspots, Dry-----	25	Not rated		Not rated	
Hu: Hurley-----	85	Very limited Sodium content Droughty Salinity Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
In: Interior-----	85	Very limited Flooding Sodium content	1.00 1.00	Very limited Deep to water	1.00
Io: Interior-----	85	Very limited Flooding Sodium content	1.00 1.00	Very limited Deep to water	1.00
IsB: Badland-----	20	Not rated		Not rated	
Interior-----	30	Very limited Flooding Sodium content	1.00 1.00	Very limited Deep to water	1.00
Cedarpass-----	30	Very limited Sodium content Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Iv: Interior-----	30	Very limited Flooding Sodium content	1.00 1.00	Very limited Deep to water	1.00
Denby-----	25	Very limited Restricted permeability Sodium content	1.00 1.00	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Cedarpass-----	25	Very limited Sodium content Restricted permeability	1.00 0.30	Very limited Deep to water	1.00
Ko: Kolls-----	85	Very limited Restricted permeability Depth to saturated zone Ponding Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
KyA: Kyle-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KyB: Kyle-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KyC: Kyle-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
LcD: Larvie-----	50	Very limited Restricted permeability Droughty Sodium content Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00



Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Conata-----	30	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00  1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
LhC: Larvie-----	50	Very limited Restricted permeability Droughty Sodium content Depth to bedrock Runoff limitation	1.00  1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
Hisle-----	30	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
Lo: Lohmiller-----	85	Somewhat limited Restricted permeability Salinity	0.89  0.01	Very limited Deep to water	1.00
M-W: Miscellaneous Water-	100	Not rated		Not rated	
MhA: Metre-----	45	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00  0.99 0.42 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Hisle-----	35	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00  1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
MhB: Metre-----	45	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00  0.99 0.42 0.40	Very limited Deep to water	1.00
Hisle-----	35	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00  1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
MoB: Metre-----	45	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00  0.99 0.42 0.40	Very limited Deep to water	1.00
Larvie-----	35	Very limited Restricted permeability Droughty Sodium content Depth to bedrock Runoff limitation	1.00  1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
MyE: Midway-----	85	Very limited Slope Depth to bedrock Droughty Restricted permeability Sodium content	1.00 1.00 1.00 0.89  0.50	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
NkD: Nihill-----	40	Somewhat limited Slope Droughty	0.37 0.08	Very limited Deep to water	1.00
Samsil-----	40	Very limited Restricted permeability Depth to bedrock Droughty Runoff limitation Slope	1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
NoA: Norka-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
NpD: Norka-----	45	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Colby-----	35	Somewhat limited Slope	0.37	Very limited Deep to water	1.00
NrC: Norrest-----	50	Somewhat limited Droughty Depth to bedrock Restricted permeability	0.69 0.42 0.30	Very limited Deep to water	1.00
Wanblee-----	30	Very limited Restricted permeability Droughty Salinity Depth to bedrock Runoff limitation	1.00 0.61 0.50 0.42 0.40	Very limited Deep to water	1.00
NuA: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NuB: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
NuC: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NuD: Nunn-----	85	Very limited Restricted permeability Slope	1.00 0.63	Very limited Deep to water	1.00
NwB: Nunn-----	50	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
Beckton-----	30	Very limited Restricted permeability Salinity Sodium content Runoff limitation	1.00 0.50 0.50 0.40	Very limited Deep to water	1.00
NxD: Nunn-----	50	Very limited Restricted permeability Slope	1.00 0.63	Very limited Deep to water	1.00
Nihill-----	30	Somewhat limited Slope Droughty	0.37 0.08	Very limited Deep to water	1.00
OrE: Orella-----	45	Very limited Restricted permeability Depth to bedrock Droughty Sodium content Slope	1.00 1.00 1.00 1.00 0.96	Very limited Deep to water	1.00
Rock Outcrop, Soft--	35	Not rated		Not rated	

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
PcB: Pierre-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00  1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
PcC: Pierre-----	85	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00  1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
PhB: Pierre-----	50	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00  1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
Hisle-----	30	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00  1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
PkD: Pierre-----	55	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00  1.00 0.63 0.42 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Samsil-----	25	Very limited Restricted permeability Depth to bedrock Droughty Slope Runoff limitation	1.00  1.00 1.00 0.63 0.40	Very limited Deep to water	1.00
PrA: Promise-----	85	Very limited Restricted permeability Runoff limitation Sodium content	1.00  0.40 0.02	Very limited Deep to water	1.00
PsA: Promise-----	55	Very limited Restricted permeability Runoff limitation Sodium content	1.00  0.40 0.02	Very limited Deep to water	1.00
Hurley-----	25	Very limited Sodium content Droughty Salinity Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
PsB: Promise-----	50	Very limited Restricted permeability Runoff limitation Sodium content	1.00  0.40 0.02	Very limited Deep to water	1.00
Hurley-----	30	Very limited Sodium content Droughty Salinity Depth to bedrock Runoff limitation	1.00 1.00 0.50 0.42 0.40	Very limited Deep to water	1.00
PuB: Promise-----	50	Very limited Restricted permeability Runoff limitation Sodium content	1.00  0.40 0.02	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Pierre-----	30	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00  1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
PuC: Promise-----	45	Very limited Restricted permeability Runoff limitation Sodium content	1.00  0.40 0.02	Very limited Deep to water	1.00
Pierre-----	35	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00  1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
RhC: Razor-----	50	Very limited Restricted permeability Depth to bedrock Droughty	1.00  0.42 0.37	Very limited Deep to water	1.00
Hisle-----	30	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00  1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
RmD: Razor-----	50	Very limited Restricted permeability Slope Depth to bedrock Droughty	1.00  0.63 0.42 0.37	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Midway-----	30	Very limited Depth to bedrock 1.00 Droughty 1.00 Restricted permeability 0.89 Sodium content 0.50 Runoff limitation 0.40		Very limited Deep to water	1.00
SaF: Samsil-----	85	Very limited Slope 1.00 Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Runoff limitation 0.40		Very limited Deep to water	1.00
ShE: Rock Outcrop, Soft--	20	Not rated		Not rated	
Samsil-----	30	Very limited Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Slope 1.00 Runoff limitation 0.40		Very limited Deep to water	1.00
Hisle-----	30	Very limited Restricted permeability 1.00 Sodium content 1.00 Droughty 1.00 Depth to bedrock 0.42 Runoff limitation 0.40		Very limited Deep to water	1.00
SpE: Samsil-----	50	Very limited Slope 1.00 Restricted permeability 1.00 Depth to bedrock 1.00 Droughty 1.00 Runoff limitation 0.40		Very limited Deep to water	1.00



Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Pierre-----	30	Very limited Slope Restricted permeability Droughty Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
SrF: Samsil-----	55	Very limited Slope Restricted permeability Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Soft--	30	Not rated		Not rated	
SwB: Savo-----	55	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Dawes-----	25	Somewhat limited Sodium content	0.92	Very limited Deep to water	1.00
VwC: Valent-----	50	Very limited Filtering capacity Leaching limitation Droughty	1.00 0.45 0.24	Very limited Deep to water	1.00
Wortman-----	30	Very limited Restricted permeability Sodium content Filtering capacity Droughty Leaching limitation	1.00 1.00 1.00 0.71 0.45	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
W: Water-----	100	Not rated		Not rated	
Wb: Wendte-----	85	Very limited Restricted permeability Runoff limitation	1.00 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
Wc: Wendte-----	85	Very limited Restricted permeability Flooding Runoff limitation	1.00 0.60 0.40	Very limited Slow refill Deep to water Cutbanks cave	1.00 0.90 0.10
WeA: Weta-----	85	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
WhA: Whitewater-----	85	Very limited Restricted permeability Droughty Sodium content Depth to bedrock Runoff limitation	1.00 1.00 1.00 0.42 0.40	Very limited Deep to water	1.00
WsC: Wortman-----	50	Very limited Restricted permeability Sodium content Filtering capacity Droughty Leaching limitation	1.00 1.00 1.00 0.71 0.45	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Jackson County, South Dakota,  
Northern Part

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Hisle-----	30	Very limited Restricted permeability Sodium content Droughty Depth to bedrock Runoff limitation	1.00  1.00 1.00 0.42 0.40	Very limited Deep to water	1.00

